GenCore version 5.1.4_p5_4578

OM protein - protein search, using sw model

Run on: May 19, 2003, 16:43:42 ; Search time 19.8719 Seconds
(without alignments)
553.754 Million cell updates/sec

Title: US-09-625-573-2
Perfect score: 1970
Sequence: 1 MLSTSRSRFIRNTNESGEEV.....GKGKSIGRAPEASLQDKEGA 374

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1970	100.0	374	1	US-08-450-393A-2	Sequence 2, Appli
2	1970	100.0	374	4	US-08-446-669-2	Sequence 2, Appli
3	1970	100.0	374	5	PCT-US95-00476-2	Sequence 2, Appli
4	1823	92.5	344	3	US-08-466-343D-9	Sequence 9, Appli
5	1651.5	83.8	360	1	US-08-450-393A-4	Sequence 4, Appli
6	1651.5	83.8	360	4	US-08-446-669-4	Sequence 4, Appli
7	1651.5	83.8	360	4	US-09-045-583-50	Sequence 50, Appl
8	1651.5	83.8	360	4	US-09-534-185-50	Sequence 50, Appl
9	1651.5	83.8	360	5	PCT-US95-00476-4	Sequence 4, Appli
10	1645.5	83.5	360	4	US-08-833-752-7	Sequence 7, Appli
11	1614.5	82.0	360	4	US-09-045-583-51	Sequence 51, Appl
12	1614.5	82.0	360	4	US-09-534-185-51	Sequence 51, Appl
13	1589.5	80.7	347	1	US-08-461-244-3	Sequence 3, Appli
14	1236	62.7	352	4	US-09-517-605-5	Sequence 5, Appli
15	1234	62.6	354	4	US-08-724-984A-2	Sequence 2, Appli
16	1230	62.4	352	4	US-09-045-583-52	Sequence 52, Appl
17	1230	62.4	352	4	US-09-534-185-52	Sequence 52, Appl
18	1224	62.1	352	4	US-09-087-232A-13	Sequence 13, Appl
19	1224	62.1	352	4	US-08-861-105-14	Sequence 14, Appl
20	1224	62.1	352	4	US-08-575-967A-2	Sequence 2, Appli
21	1224	62.1	352	4	US-08-833-752-5	Sequence 5, Appli
22	1215	61.7	352	3	US-08-466-343D-2	Sequence 2, Appli
23	967.5	49.1	355	1	US-08-012-988A-2	Sequence 2, Appli
24	967.5	49.1	355	1	US-08-450-393A-5	Sequence 5, Appli
25	967.5	49.1	355	4	US-08-446-669-5	Sequence 5, Appli
26	967.5	49.1	355	4	US-09-239-938-1	Sequence 1, Appli
27	967.5	49.1	355	5	PCT-US95-00476-5	Sequence 5, Appli
28	940.5	47.7	355	4	US-08-833-752-9	Sequence 9, Appli
29	911.5	46.3	355	4	US-09-045-583-53	Sequence 53, Appl
30	911.5	46.3	355	4	US-09-534-185-53	Sequence 53, Appl
31	886.5	45.0	355	4	US-08-575-967A-4	Sequence 4, Appli
32	886.5	45.0	355	4	US-08-847-296B-1	Sequence 1, Appli
33	886.5	45.0	355	4	US-09-045-583-54	Sequence 54, Appl
34	886.5	45.0	355	4	US-09-534-185-54	Sequence 54, Appl
35	858.5	43.6	355	4	US-08-833-752-8	Sequence 8, Appli
36	831.5	42.2	360	4	US-08-875-573-20	Sequence 20, Appl
37	831.5	42.2	360	4	US-09-232-878-2	Sequence 2, Appli
38	831.5	42.2	360	4	US-09-045-583-55	Sequence 55, Appl
39	831.5	42.2	360	4	US-09-534-185-55	Sequence 55, Appl
40	797	40.5	360	4	US-08-833-752-10	Sequence 10, Appl
41	723	36.7	355	1	US-08-461-244-2	Sequence 2, Appli
42	723	36.7	355	4	US-09-045-583-56	Sequence 56, Appl
43	723	36.7	355	4	US-09-534-185-56	Sequence 56, Appl
44	698	35.4	355	1	US-08-153-848-28	Sequence 28, Appl
45	698	35.4	355	1	US-08-153-848-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1
US-08-450-393A-2
; Sequence 2, Application US/08450393A
; Patent No. 5707815
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,393A
; FILING DATE: May 25, 1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: UCAL-237/02US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5165
; TELEFAX: 415-8857-0663
; TELEX: 380816CooleyPA
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-450-393A-2

Query Match 100.0%; Score 1970; DB 1; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.8e-150;
Matches 374; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
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Db      1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
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Db      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
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Qy     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
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Qy     361 GRAPEASLQDKEGA 374
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RESULT 2
US-08-446-669-2
; Sequence 2, Application US/08446669
; Patent No. 6132987
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,669
; FILING DATE: May 25, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Neeley, Richard
; REGISTRATION NUMBER: 30,092
; REFERENCE/DOCKET NUMBER: UCAL-237/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5000
; TELEFAX: 415-857-0663
; TELEX: 380816CooleyPA
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-446-669-2

Query Match 100.0%; Score 1970; DB 4; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.8e-150;
Matches 374; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
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Db      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
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Db     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

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RESULT 3
PCT-US95-00476-2
; Sequence 2, Application PC/TUS9500476
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Robbins, Berliner & Carson
; STREET: 201 N. Figueroa Street, 5th Floor
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90012-2628
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/00476
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Berliner, Robert
; REGISTRATION NUMBER: 20,121
; REFERENCE/DOCKET NUMBER: 5555-291
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-977-1001
; TELEFAX: 310-977-1003
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-00476-2

Query Match 100.0%; Score 1970; DB 5; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.8e-150;
Matches 374; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60

Qy     61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
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Db     61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy    121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy    181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
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Qy    241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
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Db    241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300

Qy    301 NPIIYAFVGEKFRSLFHIALGCRIAPLQKPVCGGPGVRPGKNVKVTTQGLLDGRGKGKSI 360
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Db    301 NPIIYAFVGEKFRSLFHIALGCRIAPLQKPVCGGPGVRPGKNVKVTTQGLLDGRGKGKSI 360

Qy    361 GRAPEASLQDKEGA 374
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Db    361 GRAPEASLQDKEGA 374
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RESULT 4
US-08-466-343D-9
; Sequence 9, Application US/08466343D
; Patent No. 6025154
; GENERAL INFORMATION:
; APPLICANT: LI, Yi
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN G-PROTEIN
; TITLE OF INVENTION: CHEMOKINE RECEPTOR HDGNR10 (AS AMENDED)
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVE., NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,343D
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1150000/EKS/KLM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 344 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-466-343D-9

Query Match 92.5%; Score 1823; DB 3; Length 344;
Best Local Similarity 100.0%; Pred. No. 9.6e-139;
Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     18 EEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGNMLVVLILINCKKLKCLT 77
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Db      1 EEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGNMLVVLILINCKKLKCLT 60

Qy     78 DIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYFGGIFFIILLTID 137
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Db     61 DIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYFGGIFFIILLTID 120

Qy    138 RYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCQKEDSVYVCGPYFPRG 197
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Db    121 RYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCQKEDSVYVCGPYFPRG 180

Qy    198 WNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHRAVRVIFTIMIVYFLFWT 257
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Db    181 WNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHRAVRVIFTIMIVYFLFWT 240

Qy    258 PYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCINPIIYAFVGEKFRSLFH 317
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Qy    318 IALGCRIAPLQKPVCGGPGVRPGKNVKVTTQGLLDGRGKGKSIG 361
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Db    301 IALGCRIAPLQKPVCGGPGVRPGKNVKVTTQGLLDGRGKGKSIG 344
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RESULT 5
US-08-450-393A-4
; Sequence 4, Application US/08450393A
; Patent No. 5707815
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,393A
; FILING DATE: May 25, 1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: UCAL-237/02US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5165
; TELEFAX: 415-8857-0663
; TELEX: 380816CooleyPA
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-450-393A-4

Query Match 83.8%; Score 1651.5; DB 1; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

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Db      1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
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Qy      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
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Db      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
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Db     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300

Qy     301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
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Db     301 NPIIYAFVGEKFRRYLSVFFRKHITKRFCKQCPV 334
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RESULT 6
US-08-446-669-4
; Sequence 4, Application US/08446669
; Patent No. 6132987
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,669
; FILING DATE: May 25, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Neeley, Richard
; REGISTRATION NUMBER: 30,092
; REFERENCE/DOCKET NUMBER: UCAL-237/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5000
; TELEFAX: 415-857-0663
; TELEX: 380816CooleyPA
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-446-669-4

Query Match 83.8%; Score 1651.5; DB 4; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

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Qy       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60

Qy      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300

Qy     301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
           |||||||||||||   |:|   ||    |:  |:
Db     301 NPIIYAFVGEKFRRYLSVFFRKHITKRFCKQCPV 334
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RESULT 7
US-09-045-583-50
; Sequence 50, Application US/09045583
; Patent No. 6287805
; GENERAL INFORMATION:
; APPLICANT: Graham, Gerard J. et al.
; TITLE OF INVENTION: No. 6287805el Molecules of the G Protein-Coupled
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045,583
; FILING DATE: 20-MAR-98
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MNI-044
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-09-045-583-50

Query Match 83.8%; Score 1651.5; DB 4; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

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Qy       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60

Qy      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300

Qy     301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
           |||||||||||||   |:|   ||    |:  |:
Db     301 NPIIYAFVGEKFRRYLSVFFRKHITKRFCKQCPV 334
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Db     61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy    121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy    181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy    241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300

Qy    301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
          |||||||||||||   |:|   ||    |:  |:
Db    301 NPIIYAFVGEKFRRYLSVFFRKHITKRFCKQCPV 334


RESULT 8
US-09-534-185-50
; Sequence 50, Application US/09534185
; Patent No. 6403767
;   GENERAL INFORMATION:
;        APPLICANT: Graham, Gerard J. et al.
;        TITLE OF INVENTION: No. 6403767el Molecules of the G Protein-Coupled
;                            Heptahelical Receptor Superfamily and Uses
;                            Therefor
;        NUMBER OF SEQUENCES: 56
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: LAHIVE & COCKFIELD, LLP
;             STREET: 28 State Street
;             CITY: Boston
;             STATE: Massachusetts
;             COUNTRY: USA
;             ZIP: 02109
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/534,185
;             FILING DATE: 24-Mar-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/045,583
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Mandragouras, Amy E.
;             REGISTRATION NUMBER: 36,207
;             REFERENCE/DOCKET NUMBER: MNI-044
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (617)227-7400
;             TELEFAX: (617)742-4214
;   INFORMATION FOR SEQ ID NO: 50:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 360 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        FRAGMENT TYPE: internal
;        SEQUENCE DESCRIPTION: SEQ ID NO: 50:
US-09-534-185-50

  Query Match             83.8%;  Score 1651.5;  DB 4;  Length 360;
  Best Local Similarity   95.5%;  Pred. No. 5.4e-125;
  Matches  319;  Conservative    3;  Mismatches    5;  Indels    7;  Gaps    3;

Qy       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
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Qy     61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy    121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy    181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy    241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300

Qy    301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
          |||||||||||||   |:|   ||    |:  |:
Db    301 NPIIYAFVGEKFRRYLSVFFRKHITKRFCKQCPV 334


RESULT 9
PCT-US95-00476-4
; Sequence 4, Application PC/TUS9500476
;  GENERAL INFORMATION:
;    APPLICANT:  The Regents of the University of California
;    TITLE OF INVENTION:  MAMMALIAN MONOCYTE CHEMOATTRACTANT
;    TITLE OF INVENTION:  PROTEIN RECEPTORS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Robbins, Berliner & Carson
;      STREET:  201 N. Figueroa Street, 5th Floor
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90012-2628
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/00476
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berliner, Robert
;      REGISTRATION NUMBER:  20,121
;      REFERENCE/DOCKET NUMBER:  5555-291
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  310-977-1001
;      TELEFAX:  310-977-1003
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  360 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
PCT-US95-00476-4

  Query Match             83.8%;  Score 1651.5;  DB 5;  Length 360;
  Best Local Similarity   95.5%;  Pred. No. 5.4e-125;
  Matches  319;  Conservative    3;  Mismatches    5;  Indels    7;  Gaps    3;

Qy       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60

Qy      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
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Qy     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300

Qy     301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
           |||||||||||||   |:|   ||    |:  |:
Db     301 NPIIYAFVGEKFRRYLSVFFRKHITKRFCKQCPV 334


RESULT 10
US-08-833-752-7
; Sequence 7, Application US/08833752
; Patent No. 6448375
; GENERAL INFORMATION:
;   APPLICANT:  SAMSON, MICHEL
;   APPLICANT:  PARMENTIER, MARC
;   APPLICANT:  VASSART, GILBERT
;   APPLICANT:  LIBERT, FREDERICK
;   TITLE OF INVENTION:  ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
;   TITLE OF INVENTION:  AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
;   NUMBER OF SEQUENCES:  17
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Knobbe, Martens, Olson & Bear
;     STREET:  620 Newport Center Drive  16th Floor
;     CITY:  Newport Beach
;     STATE:  CA
;     COUNTRY:  U.S.A.
;     ZIP:  92660
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/833,752
;     FILING DATE:  9-APR-1997
;     CLASSIFICATION:  536
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Altman, Daniel E
;     REGISTRATION NUMBER:  34,115
;     REFERENCE/DOCKET NUMBER:
; INFORMATION FOR SEQ ID NO:  7:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  360 amino acids
;     TYPE:  amino acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  No. 6448375e
US-08-833-752-7

  Query Match           83.5%;  Score 1645.5;  DB 4;  Length 360;
  Best Local Similarity  94.9%;  Pred. No. 1.6e-124;
  Matches  317;  Conservative    4;  Mismatches    6;  Indels    7;  Gaps    3;

Qy       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60

Qy      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
           ||||||||||||||||||||||||||||||:|||||||||||||||||||||||||||||||
Db      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFIITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
           |||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db     241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQAIQVTETLGMTHCCI 300

Qy     301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
           |||||||||||||   |:|   ||    |:  |:
Db     301 NPIIYAFVGEKFRRYISVFFRKHIXXXFCKQCPV 334


RESULT 11
US-09-045-583-51
; Sequence 51, Application US/09045583
; Patent No. 6287805
; GENERAL INFORMATION:
;   APPLICANT:  Graham, Gerard J. et al.
;   TITLE OF INVENTION:  No. 6287805el Molecules of the G Protein-Coupled
;   NUMBER OF SEQUENCES:  56
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  LAHIVE & COCKFIELD, LLP
;     STREET:  28 State Street
;     CITY:  Boston
;     STATE:  Massachusetts
;     COUNTRY:  USA
;     ZIP:  02109
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/09/045,583
;     FILING DATE:  20-MAR-98
;     CLASSIFICATION:  435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:
;     FILING DATE:
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Mandragouras, Amy E.
;     REGISTRATION NUMBER:  36,207
;     REFERENCE/DOCKET NUMBER:  MNI-044
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (617)227-7400
;     TELEFAX:  (617)742-4214
; INFORMATION FOR SEQ ID NO:  51:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  360 amino acids
;     TYPE:  amino acid
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  peptide
;   FRAGMENT TYPE:  internal
US-09-045-583-51

  Query Match           82.0%;  Score 1614.5;  DB 4;  Length 360;
  Best Local Similarity  96.6%;  Pred. No. 4.9e-122;
  Matches  308;  Conservative    4;  Mismatches    4;  Indels    3;  Gaps    1;

Qy       1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
           |||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MLSTSRSRFIRNTNGSGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60

Qy      61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
           |||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 MLVVLILINCKKLKSLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy     121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
           |||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 HIGYLGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
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Qy    181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
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Db    181 CQEEDSVYICGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy    241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
          |||:|||||||||||||||||||||||||||||||||||||| ||||||||||||||||||
Db    241 AVRLIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTRQLDQATQVTETLGMTHCCI 300

Qy    301 NPIIYAFVGEKFR---SLF 316
          |||||||||||||   |:|
Db    301 NPIIYAFVGEKFRRYLSMF 319


RESULT 12
US-09-534-185-51
; Sequence 51, Application US/09534185
; Patent No. 6403767
;   GENERAL INFORMATION:
;        APPLICANT: Graham, Gerard J. et al.
;        TITLE OF INVENTION: No. 6403767el Molecules of the G Protein-Coupled
;                            Heptahelical Receptor Superfamily and Uses
;                            Therefor
;        NUMBER OF SEQUENCES: 56
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: LAHIVE & COCKFIELD, LLP
;             STREET: 28 State Street
;             CITY: Boston
;             STATE: Massachusetts
;             COUNTRY: USA
;             ZIP: 02109
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/534,185
;             FILING DATE: 24-Mar-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/045,583
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Mandragouras, Amy E.
;             REGISTRATION NUMBER: 36,207
;             REFERENCE/DOCKET NUMBER: MNI-044
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (617)227-7400
;             TELEFAX: (617)742-4214
;   INFORMATION FOR SEQ ID NO: 51:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 360 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        FRAGMENT TYPE: internal
;        SEQUENCE DESCRIPTION: SEQ ID NO: 51:
US-09-534-185-51

  Query Match             82.0%;  Score 1614.5;  DB 4;  Length 360;
  Best Local Similarity   96.6%;  Pred. No. 4.9e-122;
  Matches  308;  Conservative    4;  Mismatches    4;  Indels    3;  Gaps    1;

Qy      1 MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60
          |||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||
Db      1 MLSTSRSRFIRNTNGSGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGN 60

Qy     61 MLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
          |||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||
Db     61 MLVVLILINCKKLKSLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Qy    121 HIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
          |||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 HIGYLGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180

Qy    181 CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240
          ||:||||||:||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 CQEEDSVYICGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHR 240

Qy    241 AVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI 300
          |||:|||||||||||||||||||||||||||||||||||||| ||||||||||||||||||
Db    241 AVRLIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTRQLDQATQVTETLGMTHCCI 300

Qy    301 NPIIYAFVGEKFR---SLF 316
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Db    301 NPIIYAFVGEKFRRYLSMF 319


RESULT 13
US-08-461-244-3
; Sequence 3, Application US/08461244
; Patent No. 5776729
;  GENERAL INFORMATION:
;    APPLICANT:  Soppet, Daniel R.
;    APPLICANT:  Yi, Li
;    APPLICANT:  Ruben, Steven M.
;    APPLICANT:  Rosen, Craig A.
;    TITLE OF INVENTION:  HUMAN G-PROTEIN RECEPTOR HGBER32
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI,
;      ADDRESSEE:  STUART & OLSTEIN
;      STREET:  6 Becker Farm Road
;      CITY:  Roseland
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,244
;      FILING DATE:  05-JUN-1995
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ferraro, Gregory D.
;      REGISTRATION NUMBER:  36,134
;      REFERENCE/DOCKET NUMBER:  325800-445
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  347 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-461-244-3

  Query Match             80.7%;  Score 1589.5;  DB 1;  Length 347;
  Best Local Similarity   95.3%;  Pred. No. 4.8e-120;
  Matches  306;  Conservative    3;  Mismatches    5;  Indels    7;  Gaps    3;

Qy     14 NESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGNMLVVLILINCKKL 73
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 NESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGNMLVVLILINCKKL 60

Qy     74 KCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYFGGIFFIIL 133
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 KCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYFGGIFFIIL 120

Qy    134 LTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCQKEDSVYVCGPY 193
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db    121 LTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCQKEDSVYVCGPY 180

Qy    194 FPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHRAVRVIFTIMIVYF 253
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 FPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHRAVRVIFTIMIVYF 240

Qy    254 LFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCINPIIYAFVGEKFR 313
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 LFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCINPIIYAFVGEKFR 300

Qy    314 ---SLF---HIALG-CRIAPL 327
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Db    301 RYLSVFFRKHITKRFCKQCPV 321


RESULT 14
US-09-517-605-5
; Sequence 5, Application US/09517605
; Patent No. 6391567
; GENERAL INFORMATION:
; APPLICANT: Littman, Dan R.
; APPLICANT: Kwon, Douglas S.
; APPLICANT: van Kooyk, Yvette
; APPLICANT: Geijtenbeck, Tneo
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 1049-1-017
; CURRENT APPLICATION NUMBER: US/09/517,605
; CURRENT FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 352
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-517-605-5

  Query Match             62.7%;  Score 1236;  DB 4;  Length 352;
  Best Local Similarity   77.4%;  Pred. No. 9.8e-92;
  Matches  236;  Conservative   25;  Mismatches   34;  Indels   10;  Gaps    2;

Qy     25 DYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGNMLVVLILINCKKLKCLTDIYLLNL 84
          |||   || | :|||| |:||||||||||||||||||||:|:||||||:|| :||||||| .
Db     13 DYDTSEPCQKINVKQIAARLLPPLYSLVFIFGFVGNMLVILVLINCKRLKSMTDIYLLNL 72

Qy     85 AISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYFGGIFFIILLTIDRYLAIVH 144
          ||||| ||:|:| ||| || :| ||| ||:| |||| ||:| ||||||||||||||||||
Db     73 AISDLFFLLTVPFWAHYAAAQWDFGNTMCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVH 132

Qy    145 AVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCQKEDSVYVCGPYFP----RGWNN 200
          ||||||||||||||||||:||||||:|||||: ||| | | :||    : | |
Db    133 AVFALKARTVTFGVVTSVITWVVAVFASLPGIIFTRSQKEGLHYTCSSHFPYSQYQFWKN 192

Qy    201 FHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHRAVRVIFTIMIVYFLFWTPYN 260
          | |:  ||||||||:|||||||||||||||||||||||||:|||||||||| |||
Db    193 FQTLKIVILGLVLPLLVMVICYSGILKTLLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYN 252

Qy    261 IVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCINPIIYAFVGEKFRSLF---- 316
          ||:||||||||||:|| |:::|||| |||||||||||||||||||||:
Db    253 IVLLLNTFQEFFGLNNCSSSNRLDQAMQVTETLGMTHCCINPIIYAFVGEKFRNYLLVFF 312

Qy    317 --HIA 319
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Db    313 QKHIA 317


RESULT 15
US-08-724-984A-2
; Sequence 2, Application US/08724984A
; Patent No. 6388055
; GENERAL INFORMATION:
;    APPLICANT:  Derk Bergsma, Mary Brawner, and Usman Shabon
;    TITLE OF INVENTION:  No. 6388055el Mouse Genomic Clone of the CC-
;    TITLE OF INVENTION:  CKR5 Receptor
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SmithKline Beecham Corporation
;      STREET:  709 Swedeland Road, P.O. Box 1539
;      CITY:  King of Prussia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19406-0939
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM 486
;      OPERATING SYSTEM:  WINDOWS FOR WORKGROUPS
;      SOFTWARE:  MICROSOFT WORD
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,984A
;      FILING DATE:  October 3, 1996
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  William T. Han
;      REGISTRATION NUMBER:  34,344
;      REFERENCE/DOCKET NUMBER:  ATG50023
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610 270 5024
;      TELEFAX:  610 270 5090
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  354
;      TYPE:  Amino Acid
;      TOPOLOGY:  Linear
US-08-724-984A-2

  Query Match             62.6%;  Score 1234;  DB 4;  Length 354;
  Best Local Similarity   74.7%;  Pred. No. 1.4e-91;
  Matches  230;  Conservative   29;  Mismatches   43;  Indels    6;  Gaps    2;

Qy     17 GEEVTTFFDYDYG--APCHKFDVKQIGAQLLPPLYSLVFIFGFVGNMLVVLILINCKKLK 74
          |   |  :| ||| ||| | :|||| |||||||||||||||| |||:| ||||:|||||
Db      5 GSVPTYIYDIDYGMSAPCQKINVKQIAAQLLPPLYSLVFIFGFAGNMMVFLILISCKKLK 64

Qy     75 CLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLYHIGYFGGIFFIILL 134
          :|||||||||||||||:||| ||| |||||:||| |||:|||:||||||||||||||||
Db     65 SVTDIYLLNLAISDLLFLLTLPFWAHYAANEWIFGNIMCKVFTGVYHIGYFGGIFFIILL 124

Qy    135 TIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCQKEDSVYVCGPYF 194
          |||||||||||||||  || |||:|||:||:|||||:| ||||: |||   | | |:|
Db    125 TIDRYLAIVHAVFALKVTTVNFGVITSVVTWVVAVFASLPEIIFTRSQKEGFHYTCSPHF 184

Qy    195 PRG----WNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKRHRAVRVIFTIMI 250
          |       | :| |:   || |:||||:|:||||||| || |||||||||||:|| |||
Db    185 PHTQYHFWKSFQTLKMVILSLILPLLVMIICYSGILHTLFRCRNEKKRHRAVRLIFAIMI 244

Qy    251 VYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCINPIIYAFVGE 310
          ||||||||||||:|| |||||||||:|| |:::|||| | ||||||||||:||:|||||||
Db    245 VYFLFWTPYNIVLLLTTFQEFFGLNNCSSSNRLDQAMQATETLGMTHCCLNPVIYAFVGE 304

Qy    311 KFRSLFHI 318
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Db    305 KFRSYLSV 312


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